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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/047,446	01/14/2002	Max Copperman	1546.015US1	1061

21186 7590 11/29/2005  
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH  
1600 TCF TOWER  
121 SOUTH EIGHT STREET  
MINNEAPOLIS, MN 55402

EXAMINER

ABEL JALIL, NEVEEN

ART UNIT PAPER NUMBER

2165

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/047,446	<b>Applicant(s)</b> COPPERMAN ET AL.	
	<b>Examiner</b> Neveen Abel-Jalil	<b>Art Unit</b> 2165	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on September 6, 2005.
- 2a)  This action is **FINAL**.                      2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4)  Claim(s) 1-61 is/are pending in the application.  
4a) Of the above claim(s) 12-24, 32-35 and 43-61 is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1-11, 25-31 and 36-42 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \*    c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**


- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5)  Notice of Informal Patent Application (PTO-152)
- 6)  Other: \_\_\_\_\_

## DETAILED ACTION

### Remarks

1. The Amendment filed on September 6, 2005 has been received and entered. Claims 1-61 are pending.

### *Election/Restrictions*

 2. This application contains claims 12-24, 32-35, and 43-61 drawn to an invention nonelected ~~with traverse~~ in response filed on January 24, 2005. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-7, 11, 25-28, and 31 are rejected under 35 U.S.C. 102(e) as being anticipated by Agrawal et al. (U.S. Patent No. 6,233,575 B1).

As to claims 1, and 25, Agrawal et al.'575 discloses a method of steering a user to a document needed by the user, the method including:

receiving from the user a user query including language (See Agrawal et al.'575 column 6, lines 52-63);

determining whether at least one feature in the user query language substantially matches (See Agrawal et al.'575 column 7, lines 59-65, also see Agrawal et al.'575 column 23, lines 7-9) at least concept feature associated with a concept in a plurality of concepts in a knowledge map that are pregrouped into a plurality of groups (See Agrawal et al.'575 Figure 2), and in which each concept includes at least one concept feature that is also in at least one document in a plurality of documents (See Agrawal et al.'575 column 7, lines 59-65, also see Agrawal et al.'575 column 10, lines 59-67), and in which each document that includes a concept feature is mapped to the concept that includes the concept feature (See Agrawal et al.'575 column 8, lines 57-63, also see Agrawal et al.'575 column 23, lines 1-9, and see Agrawal et al.'575 column 6, lines 10-19); and

presenting to the user, if the at least one feature in the user query language (See Agrawal et al.'575 column 7, lines 59-65) substantially matches the at least one concept feature associated with a concept, at least one indication of at least one document associated with the at least one matched concept, the at least one document drawn from a plurality of documents that are respectively linked to one or more of the concepts in the knowledge map (See Agrawal et al.'575 Figure 2, also see Agrawal et al.'575 column 9, lines 51-59).

As to claims 2, and 26, Agrawal et al.'575 discloses further including presenting to the user at least one indication of the at least one matched concept (See Agrawal et al.'575 column

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23, lines 1-9).

As to claims 3, and 27, Agrawal et al.'575 discloses further including:

presenting to the user at least one indication of at least one related concept to the at least one matched concept (See Agrawal et al.'575 column 10, lines 59-67);

receiving from the user a selection of at least one related concept (See Agrawal et al.'575 column 23, lines 2-9, also see Agrawal et al.'575 abstract); and

presenting to the user at least one indication of at least one document associated with the user-selected related concept (See Agrawal et al.'575 Figure 2, also see Agrawal et al.'575 column 7, lines 31-41).

As to claims 4, and 27, Agrawal et al.'575 discloses in which the presenting to the user at least one indication of at least one document associated with the user-selected related concept includes presenting to the user the at least one indication of the at least one document associated with both the user-selected related concept and the at least one matched concept (See Agrawal et al.'575 column 6, lines 10-19, also see Agrawal et al.'575 column 7, lines 31-41).

As to claim 5, Agrawal et al.'575 discloses further including presenting to the user at least one indication of the at least one matched concept (See Agrawal et al.'575 column 23, lines 1-9).

As to claim 6, Agrawal et al.'575 discloses in which the presenting to the user at least one indication of the at least one matched concept and the presenting to the user at least one related concept to the at least one matched concept includes presenting to the user a paired indication of:

(1) a matched concept, and (2) a corresponding related concept (See Agrawal et al.'575 column 3, lines 60-62, prior art, also see Agrawal et al.'575 column 6, lines 10-19).

As to claim 7, Agrawal et al.'575 discloses further including ranking related concepts (See Agrawal et al.'575 Figure 2).

As to claims 11, and 31, Agrawal et al.'575 discloses a computer-readable medium for performing the method of claims 1, and 25 (See Agrawal et al.'575 Figure 1).

### *Claim Rejections - 35 USC § 103*

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 8-10, and 29-30 are being rejected under 35 U.S.C.103 (a) as being obvious over Agrawal et al. (U.S. Patent No. 6,233,575 B1) in view of Aggarwal et al. (U.S. Pub. No. 2002/0138481 A1).

As to claim 8, Agrawal et al.'575 does not teach in which the presenting to the user at least one indication of at least one related concept to the at least one matched concept includes presenting to the user ranked indications of related concepts.

Aggarwal et al.'481 teaches in which the presenting to the user at least one indication of at least one related concept to the at least one matched concept includes presenting to the user ranked indications of related concepts (See Aggarwal et al.'481 page 3, paragraphs 0040-0041).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Agrawal et al.'575 to include in which the presenting to the user at least one indication of at least one related concept to the at least one matched concept includes presenting to the user ranked indications of related concepts.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Agrawal et al.'575 by the teaching of Aggarwal et al.'481 to include in which the presenting to the user at least one indication of at least one related concept to the at least one matched concept includes presenting to the user ranked indications of related concepts because it produces optimal results and efficient searches (See Aggarwal et al.'481 page 2, paragraph 0012).

As to claims 9, and 29, Agrawal et al.'575 does not teach in which the ranking related concepts includes ranking using a number of times that that the related concept was previously-selected by at least one user.

Aggarwal et al.'481 teaches in which the ranking related concepts includes ranking using

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a number of times that that the related concept was previously-selected by at least one user (See Aggarwal et al.'481 page 4, paragraphs 0051-0052).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Agrawal et al.'575 to include in which the ranking related concepts includes ranking using a number of times that that the related concept was previously-selected by at least one user.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Agrawal et al.'575 by the teaching of Aggarwal et al.'481 to include in which the ranking related concepts includes ranking using a number of times that that the related concept was previously-selected by at least one user because it produces optimal results and efficient searches (See Aggarwal et al.'481 page 2, paragraph 0012).

As to claims 10, and 30, Agrawal et al.'575 as modified discloses further including promoting a related concept in the ranking if a previous selection by the at least one user resulted in an inferred success in returning at least one relevant document (See Aggarwal et al.'481 page 3, paragraph 0041, wherein "previous selection by the at least one user resulted in an inferred" reads on "implied concept").

5. Claims 36-42 are rejected under 35 U.S.C. 102(e) as being anticipated by Ukrainczyk et al. (U.S. Pub. No. 2002/0022956 A1).

As to claim 36, Ukrainczyk et al. discloses a method of steering a user to a document needed by the user, the method including:



receiving from the user a user query including language (See Ukrainczyk et al. page 6, paragraph 0067, teaches query plus morphology);

determining whether at least one feature in the user query language substantially matches at least one concept feature (See Ukrainczyk et al. page 4, paragraph 0046) associated with a concept in a plurality of concepts in a knowledge map that are pregrouped into a plurality of primary groups, in which the primary groups include an Activities group, a Symptoms group, a Products group (See Ukrainczyk et al. page 10, paragraphs 0084), and an Objects group, each concept including as evidence at least one concept feature that is also in at least one document in a plurality of documents that are tagged to one or more of the concepts in the knowledge map (See Ukrainczyk et al. page 11, paragraph 0102, also see Ukrainczyk et al. page 9, paragraph 0078);

presenting to the user, if the at least one feature in the user query language substantially matches the at least one concept feature associated with a concept (See Ukrainczyk et al. page 7, paragraph 0067):

at least one indication of at least one related concept to the at least one matched concept (See Ukrainczyk et al. page 7, paragraph 0067); and

at least one indication of at least one document associated with the at least one matched concept (See Ukrainczyk et al. page 8, paragraphs 0073-0074).

As to claim 37, Ukrainczyk et al. discloses in which the related concept is obtained from a derived group mapping relationships between primary group concept nodes from the same or different primary groups (See Ukrainczyk et al. page 8, paragraph 0076, also see Ukrainczyk et

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al. page 3, paragraph 0029).

As to claim 38, Ukrainczyk et al. discloses further including obtaining a related concept to the at least one matched concept from a derived group that includes **at least one of:**

an Activities and Objects group, including at least one relationship between an Activities concept and an Objects concept;

an Activities and Products group, including at least one relationship between an Activities concept and a Products concept;

a Symptoms and Objects group, including at least one relationship between a Symptoms concept and an Objects concept;

a Symptoms and Products group, including at least one relationship between a Symptoms concept and a Products concept (See Ukrainczyk et al. page 10, paragraphs 0084); and

a Symptoms and Activities group, including at least one relationship between a Symptoms concept and an Activities concept.

As to claim 39, Ukrainczyk et al. discloses further including obtaining a related concept to the at least one matched concept from a derived group that includes **at least one of:**

an Activities and Activities group, including at least one relationship between different Activities concepts;

an Objects and Objects group, including at least one relationship between different Objects concepts;

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a Symptoms and Symptoms group, including at least one relationship between different Symptoms concepts (See Ukrainczyk et al. page 10, paragraphs 0084); and

a Products and Products group, including at least one relationship between different Products concepts.

As to claim 40, Ukrainczyk et al. discloses further including obtaining a related concept to the at least one matched concept from a derived group that includes **at least one of**:

at least one lexically-similar group, including at least one relationship between lexically similar concepts (See Ukrainczyk et al. page 4, paragraph 0046); and

at least one semantically-similar group, including at least one relationship between semantically similar concepts (See Ukrainczyk et al. page 7, paragraph 0069).

As to claim 41, Ukrainczyk et al. discloses in which the primary groups consist only of Products, Activities, Symptoms, and Objects groups (See Ukrainczyk et al. page 10, paragraphs 0084).

As to claim 42, Ukrainczyk et al. discloses a computer-readable medium for performing the method of claim 36 (See Ukrainczyk et al. page 11, paragraph 0105).

### *Response to Arguments*

7. Applicant's arguments with respect to claims 1-61 have been considered but are moot in view of the new ground(s) of rejection.

*Conclusion*

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

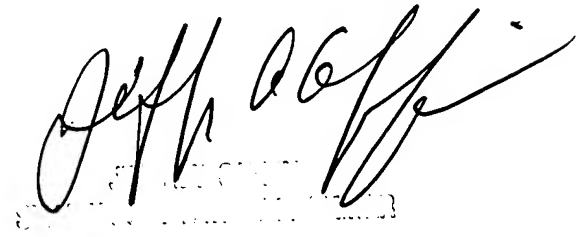
Newbold (U.S. Pub. No. 2005/0192957 A1) teaches profiling users based on their relationship with concept topics in a knowledge map.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 571-272-4074. The examiner can normally be reached on 8:30AM-5: 30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Neveen Abel-Jalil  
November 21, 2005

A handwritten signature in black ink, appearing to read "Jeff A Gaffin". The signature is written in a cursive style and is positioned above a faint, rectangular stamp or box.